

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1 1. (Amended) A computer-implemented method for unconscious data re-
2 trieval, comprising:
3 extracting at least one query key from a primary document;
4 responsive to a connection with at least one data source being available,
5 pre-fetching at least one query result by:
6 querying the at least one data source with the at least one query
7 key; and
8 receiving at least one query result from at least one data source;
9 evaluating the received at least one query result; and
10 displaying at least one received query result;
11 wherein extracting, querying, receiving, and evaluating are performed asyn-
12 chronously with respect to user interaction with the primary document;
13 and wherein displaying the at least one received query result is performed
14 without regard to whether a connection with a data source is available
15 ~~without user interaction.~~

1 2. (Original) The method of claim 1, further comprising, prior to extracting:
2 receiving the primary document;

3 and wherein extracting, querying, receiving, and evaluating are performed in
4 response to receiving the primary document.

1 3. (Amended) The method of claim 1, further comprising, prior to ~~extracting~~
2 displaying at least one received query result:

3 accessing the primary document;

4 and wherein ~~extracting, querying, receiving, and evaluating are~~ displaying at
5 least one received query result is performed in response to accessing the primary
6 document.

1 4. (Amended) The method of claim 1, further comprising, prior to ~~extracting~~
2 displaying at least one received query result:

3 displaying the primary document;

4 and wherein ~~extracting, querying, receiving, and evaluating are~~ displaying at
5 least one received query result is performed in response to displaying the primary
6 document.

1 5. (Original) The method of claim 1, wherein the primary document com-
2 prises an electronic communication.

1 6. (Original) The method of claim 5, wherein the primary document com-
2 prises an e-mail message.

1 7. (Original) The method of claim 5, further comprising, prior to extracting:
2 receiving the electronic communication;

3 and wherein extracting, querying, receiving, and evaluating are performed in
4 response to receiving the electronic communication.

1 8. (Original) The method of claim 7, wherein receiving the electronic com-
2 munication comprises receiving the electronic communication at an e-mail server.

1 9. (Original) The method of claim 7, wherein receiving the electronic com-
2 munication comprises receiving the electronic communication at a user's computer.

1 10. (Original) The method of claim 7, wherein receiving the electronic com-
2 munication comprises retrieving the electronic communication from an e-mail server
3 to a user's computer.

1 11. (Canceled)

1 12. (Original) The method of claim 1, further comprising:
2 storing the evaluated at least one query result;

3 and wherein displaying at least one received query result comprises:

4 retrieving the stored at least one query result; and

5 displaying the retrieved at least one query result.

1 13. (Amended) ~~The method of claim 1, further comprising~~ A computer-
2 implemented method for unconscious data retrieval, comprising:
3 extracting at least one query key from a primary document;
4 querying at least one data source with the at least one query key;
5 receiving at least one query result from at least one data source;
6 evaluating the received at least one query result;
7 storing the evaluated at least one query result; and
8 ~~wherein displaying at least one received query result comprises~~ subse-
9 quently performing the steps of:
10 receiving a query request from a user;
11 displaying a preview of at least one query result item responsive
12 to the received query request;
13 receiving a selection of one of the previewed items;
14 retrieving the selected item; and
15 displaying a representation of the selected item;
16 wherein extracting, querying, receiving, and evaluating are performed
17 without user interaction.

1 14. (Original) The method of claim 13, wherein retrieving the selected item
2 comprises retrieving the item from a cache.

1 15. (Original) The method of claim 13, wherein retrieving the selected item
2 comprises retrieving a text version of the item from a cache.

1 16. (Original) The method of claim 13, wherein retrieving the selected item
2 comprises asynchronously retrieving the selected item.

1 17. (Original) The method of claim 16, further comprising:
2 notifying the user upon completion of the asynchronous retrieval of the
3 selected item.

1 18. (Amended) ~~The method of claim 1, wherein querying at least one data~~
2 ~~source comprises~~ A computer-implemented method for unconscious data retrieval,
3 comprising:
4 extracting at least one query key from a primary document;
5 transmitting a query over a network to at least one data source with the
6 at least one query key;
7 receiving at least one query result from at least one data source;
8 evaluating the received at least one query result; and
9 displaying at least one received query result;
10 wherein extracting, querying, receiving, and evaluating are performed with-
11 out user interaction.

1 19. (Amended) The method of claim 18, wherein transmitting the query que-
2 ~~rying at least one data source~~ comprises transmitting an e-mail message containing
3 the a query to the at least one data source.

1 20. (Amended) The method of claim 19, wherein transmitting the e-mail mes-
2 sage to the querying at least one data source comprises transmitting the e-mail mes-
3 sage across a firewall ~~an e-mail message containing a query to the at least one data~~
4 ~~source.~~

1 21. (Amended) The method of claim 19, wherein transmitting the e-mail mes-
2 sage to the querying at least one data source comprises transmitting an XML-
3 encoded e-mail message containing a query to the at least one data source.

1 22. (Amended) The method of claim 18, wherein receiving at least one query
2 result from at least one data source comprises receiving an e-mail message contain-
3 ing at least one query result from at least one data source.

1 23. (Amended) The method of claim 18, wherein receiving at least one query
2 result from at least one data source comprises receiving an XML-encoded e-mail
3 message containing at least one query result from at least one data source.

1 24. (Amended) ~~The method of claim 1, wherein the at least one data source~~
2 ~~comprises~~ A computer-implemented method for unconscious data retrieval, compris-
3 ing:

4 extracting at least one query key from a primary document;

5 querying at least one information appliance with the at least one query

6 key;

7 receiving at least one query result from at least one information appli-
8 ance;
9 evaluating the received at least one query result; and
10 displaying at least one received query result;
11 wherein extracting, querying, receiving, and evaluating are performed
12 without user interaction.

1 25. (Original) The method of claim 24, wherein at least one of the information
2 appliances comprises one selected from the group consisting of:

3 a visitor kiosk;
4 a meeting recorder;
5 a presentation recorder;
6 a whiteboard capture device;
7 a communication device; and
8 a document management device.

1 26. (Original) The method of claim 1, wherein evaluating the received at least
2 one query result comprises estimating the relevance of the query result with respect
3 to the electronic communication.

1 27. (Original) The method of claim 1, wherein evaluating the received at least
2 one query result comprises determining whether the query result has previously
3 been displayed.

1 28. (Original) The method of claim 1, wherein evaluating the received at least
2 one query result comprises determining whether the query result is sufficiently rele-
3 vant with respect to a predetermined relevancy threshold;

4 and wherein displaying at least one received query result comprises

5 displaying a query result responsive to the determination indi-

6 cating that the query result is sufficiently relevant.

1 29. (Original) The method of claim 1, wherein displaying at least one received
2 query result comprises determining displaying at least one received query result in a
3 sequence prioritized according to estimated relevance.

1 30. (Amended) ~~The method of claim 1, further comprising: after receiving at~~
2 ~~least one query result,~~ A computer-implemented method for unconscious data re-
3 trieval, comprising:

4 extracting at least one query key from a primary document;

5 querying at least one data source with the at least one query key;

6 receiving at least one query result from at least one data source;

7 evaluating the received at least one query result;

8 displaying at least one received query result;

9 determining whether an additional query should be performed; and

10 responsive to a determination that an additional query should be per-

11 formed:

12 formulating an additional query containing at least one secondary
13 query key;
14 querying at least one data source with the at least one secondary
15 query key;
16 receiving at least one secondary query result from at least one data
17 source; and
18 displaying at least one received secondary query result;
19 wherein extracting, querying, receiving, and evaluating are performed
20 without user interaction.

1 31. (Original) The method of claim 30, wherein formulating an additional
2 query comprises formulating an additional query comprising at least one query key
3 from the primary document and at least one secondary query key.

1 32. (Original) The method of claim 1, wherein displaying at least one received
2 query result comprises displaying the query result in the context of a currently active
3 software application.

1 33. (Original) The method of claim 1, wherein displaying at least one received
2 query result comprises displaying the query result in a sidebar pane adjacent to a
3 currently active on-screen window.

1 34. (Original) The method of claim 1, wherein displaying at least one received
2 query result comprises displaying the query result in an on-screen window concur-
3 rently with display of a currently active on-screen window.

1 35. (Original) The method of claim 1, wherein displaying at least one received
2 query result comprises displaying the query result in an on-screen dialog box.

1 36. (Original) The method of claim 1, wherein at least a portion of the dis-
2 played query result comprises a hyperlink to a resource containing data related to
3 the displayed query result.

1 37. (Original) The method of claim 1, wherein the at least one received query
2 result comprises a plurality of query results, the method further comprising:
3 prioritizing the query results according to estimated relevance;
4 and wherein displaying at least one received query result comprises
5 displaying a plurality of query results in order of priority.

1 38. (Original) The method of claim 37, wherein prioritizing the query results
2 is performed responsive to the context of the query results.

1 39. (Original) The method of claim 37, wherein prioritizing the query results
2 is performed responsive to the context of the query key in the primary document.

1 40. (Original) The method of claim 1, wherein at least one of the data sources
2 comprises a network-connected computer containing shared information.

1 41. (Original) The method of claim 1, wherein at least one of the data sources
2 comprises a shared directory.

1 42. (Original) The method of claim 1, wherein at least one of the data sources
2 is intermittently connected via a network.

1 43. (Original) The method of claim 1, wherein the primary document is one
2 selected from the group consisting of:

3 an electronic communication;

4 a word processing document;

5 a spreadsheet document;

6 a task item;

7 a calendar item;

8 a file;

9 an image;

10 a sound recording;

11 a video recording; and

12 a contact record.

1 44. (Original) The method of claim 1, wherein querying at least one data
2 source comprises:

3 formulating a structured query based on the extracted at least one
4 query key; and
5 transmitting the structured query to the at least one data source.

1 45. (Original) The method of claim 1, wherein extracting at least one query
2 key comprises applying a part-of-speech analysis to the primary document.

1 46. (Original) The method of claim 1, further comprising:

2 selecting at least one data source based on the extracted at least one
3 query key;

4 and wherein querying at least one data source comprises querying the
5 selected at least one data source.

1 47. (Original) The method of claim 1, wherein evaluating the received at least
2 one query result comprises applying a Bayesian belief net to determine estimated
3 relevance of the at least one query result.

1 48. (Original) The method of claim 1, wherein displaying at least one received
2 query result comprises displaying the result on a device that is intermittently con-
3 nected via a network.

1 49. (Original) The method of claim 48, wherein the device comprises a port-
2 able computing device.

1 50. (Original) The method of claim 1, wherein the primary document com-
2 prises a text document.

1 51. (Original) The method of claim 1, wherein the primary document com-
2 prises a non-text document.

1 52. (Original) The method of claim 1, wherein querying at least one data
2 source comprises transmitting a text query.

1 53. (Original) The method of claim 1, wherein querying at least one data
2 source comprises transmitting a non-text query.

1 54. (Amended) ~~The method of claim 1, wherein~~ A computer-implemented
2 method for unconscious data retrieval, comprising:

3 extracting at least one query key from a primary document;

4 querying at least one data source with the at least one query key;

5 receiving at least one query result from at least one data source;

6 evaluating the received at least one query result; and

7 displaying at least one received query result ~~comprises displaying the~~

8 ~~query result~~ in a calendar display;

9 wherein extracting, querying, receiving, and evaluating are performed with-

10 out user interaction.

1 55. (Amended) ~~The method of claim 1, wherein~~ A computer-implemented
2 method for unconscious data retrieval, comprising:
3 extracting at least one query key from a primary document;
4 querying at least one data source with the at least one query key;
5 receiving at least one query result from at least one data source;
6 evaluating the received at least one query result; and
7 displaying at least one received query result ~~comprises displaying the~~
8 ~~query result~~ in a user-activated toolbar menu;
9 wherein extracting, querying, receiving, and evaluating are performed with-
10 out user interaction.

1 56. (Original) The method of claim 1, wherein displaying at least one received
2 query result comprises:
3 designating at least a portion of the primary document as a hyperlink;
4 and
5 responsive to user activation of the hyperlink, displaying a query re-
6 sult.

1 57. (Original) The method of claim 1, wherein displaying at least one received
2 query result comprises:
3 displaying an on-screen button; and
4 responsive to user activation of the button, displaying a query result.

1 58. (Original) The method of claim 1, wherein displaying at least one received
2 query result comprises:

3 displaying a toolbar menu activation button; and

4 responsive to user activation of the button, displaying a query result.

1 59. (Original) The method of claim 1, wherein displaying at least one received
2 query result comprises:

3 displaying a menu comprising at least one command; and

4 responsive to user selection of one of the at least one command, dis-

5 playing a query result.

1 60. (Original) The method of claim 1, wherein displaying at least one received
2 query result comprises:

3 displaying a menu activation icon;

4 responsive to user activation of the menu activation icon, displaying a

5 menu comprising at least one command; and

6 responsive to user selection of one of the at least one command, dis-

7 playing a query result.

1 61. (Amended) ~~The method of claim 1, wherein displaying at least one re-~~
2 ~~ceived query result comprises~~ A computer-implemented method for unconscious
3 data retrieval, comprising:

4 extracting at least one query key from a primary document;

5 querying at least one data source with the at least one query key;
6 receiving at least one query result from at least one data source;
7 evaluating the received at least one query result; and
8 recognizing user-entered text as having a format corresponding to a
9 predefined data type;
10 displaying a menu comprising at least one command applicable to the
11 data type; and
12 responsive to user selection of one of the at least one command, dis-
13 playing a at least one query result;
14 wherein extracting, querying, receiving, and evaluating are performed with-
15 out user interaction.

1 62. (Amended) A computer-implemented system for unconscious data re-
2 trieval, comprising:
3 a receiver, for receiving a primary document;
4 a requester, coupled to the receiver, for, responsive to a connection with
5 at least one data source being available, pre-fetching at least one
6 query result by generating and transmitting to at least one data
7 source at least one query related to the primary document;
8 an evaluator, for receiving at least one query result from the at least one
9 data source and for evaluating the received at least one query re-
10 sult; and

11 a display, coupled to the evaluator, for displaying the at least one re-
12 ceived query result without regard to whether a connection with
13 a data source is available;
14 wherein the receiver, the requester, and the evaluator operate asyn-
15 chronously with respect to user interaction with the primary
16 document without user interaction.

1 63. (Original) The system of claim 62, wherein the primary document com-
2 prises an electronic communication.

1 64. (Original) The system of claim 63, wherein the primary document com-
2 prises an e-mail message.

1 65. (Original) The system of claim 64, wherein the receiver comprises an e-
2 mail server.

1 66. (Original) The system of claim 64, wherein the receiver comprises an e-
2 mail program running on a user's computer.

1 67. (Canceled)

1 68. (Original) The system of claim 62, further comprising:
2 a storage device, coupled to the evaluator, for storing the evaluated at
3 least one query result;

4 and wherein the display displays at least one received query result retrieved
5 from the storage device.

1 69. (Amended) ~~The system of claim 62, further comprising~~ A computer-
2 implemented system for unconscious data retrieval, comprising:

3 a receiver, for receiving a primary document;

4 a requester, coupled to the receiver, for generating and transmitting to

5 at least one data source at least one query related to the primary

6 document;

7 an evaluator, for receiving at least one query result from the at least one

8 data source and for evaluating the received at least one query re-

9 sult;

10 a storage device, coupled to the evaluator, for storing the evaluated at

11 least one query result; and

12 an input device for receiving a query request from a user;

13 ~~wherein the~~ a display, coupled to the evaluator, for displaying further

14 ~~displays~~ a query preview interface showing at least one query

15 result item responsive to the received query request, and ~~for~~, re-

16 sponsive to a selection of one of the previewed items, ~~displays~~

17 displaying a representation of the selected item;

18 wherein the receiver, the requester, and the evaluator operate without user in-

19 teraction.

1 70. (Original) The system of claim 69, wherein:

2 the storage device comprises a cache; and

3 the at least one query result item is retrieved from the cache.

1 71. (Original) The system of claim 69, wherein:

2 the storage device comprises a text cache; and

3 the representation of the at least one query result item is retrieved from
4 the text cache.

1 72. (Original) The system of claim 69, wherein:

2 the requester generates and transmits to at least one data source a re-
3 quest for the selected item; and

4 the receiver receives the selected item asynchronously.

1 73. (Original) The system of claim 72, further comprising:

2 a notifier, coupled to the receiver, for notifying the user upon comple-
3 tion of the asynchronous retrieval of the selected item.

1 74. (Amended) ~~The system of claim 62, wherein the requester transmits the~~

2 ~~query~~ A computer-implemented system for unconscious data retrieval, comprising:

3 a receiver, for receiving a primary document;

4 a requester, coupled to the receiver, for generating and transmitting

5 over a network to at least one data source at least one query re-

6 lated to the primary document;

7 an evaluator, for receiving at least one query result from the at least one
8 data source and for evaluating the received at least one query re-
9 sult; and
10 a display, coupled to the evaluator, for displaying the at least one re-
11 ceived query result;
12 wherein the receiver, the requester, and the evaluator operate without
13 user interaction.

1 75. (Amended) The system of claim 62 74, wherein the requester transmits an
2 e-mail message containing the a query to the at least one data source.

1 76. (Amended) The system of claim 62 74, wherein the requester transmits
2 across a firewall an e-mail message containing the a query to the at least one data
3 source.

1 77. (Amended) The system of claim 62 74, wherein the evaluator receives an
2 e-mail message containing at least one query result from at least one data source.

1 78. (Amended) ~~The system of claim 62, wherein the at least one data source~~
2 ~~comprises~~ A computer-implemented system for unconscious data retrieval, compris-
3 ing:
4 a receiver, for receiving a primary document;

5 a requester, coupled to the receiver, for generating and transmitting to
6 at least one information appliance at least one query related to
7 the primary document;
8 an evaluator, for receiving at least one query result from the at least one
9 information appliance and for evaluating the received at least
10 one query result; and
11 a display, coupled to the evaluator, for displaying the at least one re-
12 ceived query result;
13 wherein the receiver, the requester, and the evaluator operate without user in-
14 teraction.

1 79. (Original) The system of claim 78, wherein at least one of the information
2 appliances comprises one selected from the group consisting of:

3 a visitor kiosk;
4 a meeting recorder;
5 a presentation recorder;
6 a whiteboard capture device;
7 a communication device; and
8 a document management device.

1 80. (Original) The system of claim 62, wherein the evaluator estimates the
2 relevance of the query result with respect to the primary document.

1 81. (Original) The system of claim 62, wherein the evaluator determines
2 whether the query result is sufficiently relevant with respect to a predetermined
3 relevancy threshold;

4 and wherein the display displays a query result responsive to the determina-
5 tion indicating that the query result is sufficiently relevant.

1 82. (Original) The system of claim 62, wherein the display displays at least
2 one received query result in a sequence prioritized according to estimated relevance.

1 83. (Original) The system of claim 62, wherein the display displays the query
2 result in the context of a currently active software application.

1 84. (Original) The system of claim 62, wherein the display comprises a side-
2 bar pane adjacent to a currently active on-screen window.

1 85. (Original) The system of claim 62, wherein the display comprises an on-
2 screen window shown concurrently with a currently active on-screen window.

1 86. (Original) The system of claim 62, wherein the display comprises an on-
2 screen dialog box.

1 87. (Original) The system of claim 62, wherein at least a portion of the dis-
2 played query result comprises a hyperlink to a resource containing data related to
3 the displayed query result.

1 88. (Original) The system of claim 62, wherein at least one of the data sources
2 comprises a network-connected computer containing shared information.

1 89. (Original) The system of claim 62, wherein at least one of the data sources
2 comprises a shared directory.

1 90. (Original) The system of claim 62, wherein at least one of the data sources
2 is intermittently connected via a network.

1 91. (Original) The system of claim 62, wherein the primary document is one
2 selected from the group consisting of:

3 an electronic communication;

4 a word processing document;

5 a spreadsheet document;

6 a task item;

7 a calendar item;

8 a file;

9 an image;

10 a sound recording;

11 a video recording; and

12 a contact record.

1 92. (Original) The system of claim 62, wherein the requester comprises:

2 a query formulator, for formulating a structured query based on the ex-
3 tracted at least one query key; and
4 a transmitter, coupled to the query formulator, for transmitting the
5 structured query to the at least one data source.

1 93. (Original) The system of claim 62, wherein the evaluator applies a Bayes-
2 ian belief net to determine estimated relevance of the at least one query result.

1 94. (Original) The system of claim 62, wherein the display comprises a port-
2 able computing device.

1 95. (Original) The system of claim 62, wherein the primary document com-
2 prises a text document.

1 96. (Original) The system of claim 62, wherein the primary document com-
2 prises a non-text document.

1 97. (Original) The system of claim 62, wherein the display comprises a calen-
2 dar display.

1 98. (Original) The system of claim 62, wherein the display comprises a user-
2 activated toolbar menu.

1 99. (Amended) A computer program product comprising a computer-usable
2 medium having computer-readable code embodied therein for unconscious data re-
3 trieval, comprising:

4 computer-readable program code configured to cause a computer to ex-
5 tract at least one query key from a primary document;

6 computer-readable program code configured to cause a computer to
7 responsive to a connection with at least one data source being
8 available, pre-fetching at least one query result by:

9 querying at least one data source with the at least one query key;

10 and

11 ~~computer-readable program code configured to cause a com-~~
12 ~~puter to receive~~ receiving at least one query result from at
13 least one data source;

14 computer-readable program code configured to cause a computer to
15 evaluate the received at least one query result; and

16 computer-readable program code configured to cause a computer to
17 display at least one received query result;

18 wherein the computer-readable program code configured to cause a
19 computer to extract, query, receive, and evaluate operate asyn-
20 chronously with respect to user interaction with the primary
21 document;

22 and wherein the computer-readable program code configured to cause a com-
23 puter to display the at least one received query result operates without
24 regard to whether a connection with a data source is available ~~without~~
25 ~~user interaction.~~

1 100. (Original) The computer program product of claim 99, wherein the com-
2 puter-readable program code configured to cause a computer to extract, query, re-
3 ceive, and evaluate operate asynchronously with respect to user interaction with the
4 primary document.

1 101. (Original) The computer program product of claim 99, further compris-
2 ing:

3 computer-readable program code configured to cause a computer to
4 store the evaluated at least one query result;

5 and wherein the computer-readable program code configured to cause a com-
6 puter to display at least one received query result comprises:

7 computer-readable program code configured to cause a computer to re-
8 trieve the stored at least one query result; and
9 computer-readable program code configured to cause a computer to
10 display the retrieved at least one query result.

1 102. (Amended) ~~The computer program product of claim 99, further compris-~~
2 ing A computer program product comprising a computer-usable medium having

3 computer-readable code embodied therein for unconscious data retrieval, compris-
4 ing:

5 computer-readable program code configured to cause a computer to ex-
6 tract at least one query key from a primary document;

7 computer-readable program code configured to cause a computer to
8 query at least one data source with the at least one query key;

9 computer-readable program code configured to cause a computer to re-
10 ceive at least one query result from at least one data source;

11 computer-readable program code configured to cause a computer to
12 evaluate the received at least one query result;

13 computer-readable program code configured to cause a computer to
14 store the evaluated at least one query result;

15 ~~and wherein the computer-readable program code configured to cause-~~
16 ~~a computer to display at least one received query result com-~~
17 ~~prises:~~

18 computer-readable program code configured to cause a computer to re-
19 ceive a query request from a user;

20 computer-readable program code configured to cause a computer to
21 display a preview of at least one query result item responsive to
22 the received query request;

23 computer-readable program code configured to cause a computer to re-
24 ceive a selection of one of the previewed items;

25 computer-readable program code configured to cause a computer to re-
26 trieve the selected item; and
27 computer-readable program code configured to cause a computer to
28 display a representation of the selected item;
29 wherein the computer-readable program code configured to cause a computer
30 to extract, query, receive, and evaluate operate without user interaction.

1 103. (Amended) ~~The computer program product of claim 99, wherein the~~
2 ~~computer-readable program code configured to cause a computer to query at least~~
3 ~~one data source comprises~~ A computer program product comprising a computer-
4 usable medium having computer-readable code embodied therein for unconscious
5 data retrieval, comprising:
6 computer-readable program code configured to cause a computer to ex-
7 tract at least one query key from a primary document;
8 computer-readable program code configured to cause a computer to
9 transmit a query over a network to at least one data source with
10 the at least one query key;
11 computer-readable program code configured to cause a computer to re-
12 ceive at least one query result from at least one data source;
13 computer-readable program code configured to cause a computer to
14 evaluate the received at least one query result; and
15 computer-readable program code configured to cause a computer to
16 display at least one received query result;

17 wherein the computer-readable program code configured to cause a
18 computer to extract, query, receive, and evaluate operate with-
19 out user interaction.

1 104. (Amended) The computer program product of claim 99 103, wherein the
2 computer-readable program code configured to cause a computer to transmit the
3 query ~~query at least one data source~~ comprises computer-readable program code
4 configured to cause a computer to transmit an e-mail message containing the a query
5 to the at least one data source.

1 105. (Amended) The computer program product of claim 99 104, wherein the
2 computer-readable program code configured to cause a computer to transmit the e-
3 mail message to the ~~query~~ at least one data source comprises computer-readable
4 program code configured to cause a computer to transmit the e-mail message across
5 a firewall ~~an e-mail message containing a query to the at least one data source.~~

1 106. (Amended) The computer program product of claim 99 104, wherein the
2 computer-readable program code configured to cause a computer to transmit the e-
3 mail message to the ~~query~~ at least one data source comprises computer-readable
4 program code configured to cause a computer to transmit an XML-encoded e-mail
5 message containing a query to the at least one data source.

1 107. (Amended) The computer program product of claim 99 103, wherein the
2 computer-readable program code configured to cause a computer to receive at least

3 one query result from at least one data source comprises computer-readable program
4 code configured to cause a computer to receive an e-mail message containing at least
5 one query result from at least one data source.

1 108. (Amended) ~~The computer program product of claim 99, wherein the at~~
2 ~~least one data source comprises~~ A computer program product comprising a com-
3 puter-usable medium having computer-readable code embodied therein for uncon-
4 scious data retrieval, comprising:

5 computer-readable program code configured to cause a computer to ex-
6 tract at least one query key from a primary document;

7 computer-readable program code configured to cause a computer to
8 query at least one data at least one information appliance key;

9 computer-readable program code configured to cause a computer to re-
10 ceive at least one query result from at least one information ap-
11 pliance;

12 computer-readable program code configured to cause a computer to
13 evaluate the received at least one query result; and

14 computer-readable program code configured to cause a computer to
15 display at least one received query result;

16 wherein the computer-readable program code configured to cause a
17 computer to extract, query, receive, and evaluate operate with-
18 out user interaction.

1 109. (Original) The computer program product of claim 108, wherein at least
2 one of the information appliances comprises one selected from the group consisting
3 of:

- 4 a visitor kiosk;
- 5 a meeting recorder;
- 6 a presentation recorder;
- 7 a whiteboard capture device;
- 8 a communication device; and
- 9 a document management device.

1 110. (Original) The The computer program product of claim 99, wherein the
2 computer-readable program code configured to cause a computer to evaluate the re-
3 ceived at least one query result comprises computer-readable program code config-
4 ured to cause a computer to estimate the relevance of the query result with respect to
5 the primary document.

1 111. (Original) The computer program product of claim 99, wherein the com-
2 puter-readable program code configured to cause a computer to evaluate the re-
3 ceived at least one query result comprises computer-readable program code config-
4 ured to cause a computer to determine whether the query result is sufficiently rele-
5 vant with respect to a predetermined relevancy threshold;

6 and wherein the computer-readable program code configured to cause
7 a computer to display at least one received query result com-

8 prises computer-readable program code configured to cause a
9 computer to display a query result responsive to the determina-
10 tion indicating that the query result is sufficiently relevant.

1 112. (Amended) ~~The computer program product of claim 99, further compris-~~
2 ing A computer program product comprising a computer-usable medium having
3 computer-readable code embodied therein for unconscious data retrieval, compris-
4 ing:

5 computer-readable program code configured to cause a computer to ex-
6 tract at least one query key from a primary document;

7 computer-readable program code configured to cause a computer to
8 query at least one data source with the at least one query key;

9 computer-readable program code configured to cause a computer to re-
10 ceive at least one query result from at least one data source;

11 computer-readable program code configured to cause a computer to
12 evaluate the received at least one query result; and

13 computer-readable program code configured to cause a computer to
14 display at least one received query result;

15 computer-readable program code configured to cause a computer to,
16 after receiving at least one query result, determine whether an
17 additional query should be performed; and

18 computer-readable program code configured to cause a computer to,
19 responsive to a determination that an additional query should be
20 performed:
21 formulate an additional query containing at least one secondary
22 query key;
23 query at least one data source with the at least one secondary query
24 key;
25 receive at least one secondary query result from at least one data
26 source; and
27 display at least one received secondary query result;
28 wherein the computer-readable program code configured to cause a computer
29 to extract, query, receive, and evaluate operate without user interaction.

1 113. (Original) The computer program product of claim 99, wherein the com-
2 puter-readable program code configured to cause a computer to display at least one
3 received query result comprises computer-readable program code configured to
4 cause a computer to display the query result in the context of a currently active soft-
5 ware application.

1 114. (Original) The computer program product of claim 99, wherein the com-
2 puter-readable program code configured to cause a computer to display at least one
3 received query result comprises computer-readable program code configured to

4 cause a computer to display the query result in a sidebar pane adjacent to a currently
5 active on-screen window.

1 115. (Original) The computer program product of claim 99, wherein the com-
2 puter-readable program code configured to cause a computer to display at least one
3 received query result comprises computer-readable program code configured to
4 cause a computer to display the query result in an on-screen window concurrently
5 with display of a currently active on-screen window.

1 116. (Original) The computer program product of claim 99, wherein the com-
2 puter-readable program code configured to cause a computer to display at least one
3 received query result comprises computer-readable program code configured to
4 cause a computer to display the query result in an on-screen dialog box.

1 117. (Original) The computer program product of claim 99, wherein at least
2 one of the data sources comprises a network-connected computer containing shared
3 information.

1 118. (Original) The computer program product of claim 99, wherein at least
2 one of the data sources comprises a shared directory.

1 119. (Original) The computer program product of claim 99, wherein the pri-
2 mary document is one selected from the group consisting of:

3 an electronic communication;

4 a word processing document;

5 a spreadsheet document;
6 a task item;
7 a calendar item;
8 a file;
9 an image;
10 a sound recording;
11 a video recording; and
12 a contact record.

1 120. (Original) The computer program product of claim 99, wherein the com-
2 puter-readable program code configured to cause a computer to query at least one
3 data source comprises:
4 computer-readable program code configured to cause a computer to
5 formulate a structured query based on the extracted at least one
6 query key; and
7 computer-readable program code configured to cause a computer to
8 transmit the structured query to the at least one data source.

1 121. (Original) The computer program product of claim 99, wherein the com-
2 puter-readable program code configured to cause a computer to extract at least one
3 query key comprises computer-readable program code configured to cause a com-
4 puter to apply a part-of-speech analysis to the primary document.

1 122. (Original) The computer program product of claim 99, wherein the com-
2 puter-readable program code configured to cause a computer to evaluate the re-
3 ceived at least one query result comprises computer-readable program code config-
4 ured to cause a computer to apply a Bayesian belief net to determine estimated rele-
5 vance of the at least one query result.

1 123. (Original) The computer program product of claim 99, wherein the com-
2 puter-readable program code configured to cause a computer to display at least one
3 received query result comprises computer-readable program code configured to
4 cause a computer to display the result on a device that is intermittently connected via
5 a network.

1 124. (Amended) ~~The computer program product of claim 99, wherein the A~~
2 computer program product comprising a computer-usable medium having com-
3 puter-readable code embodied therein for unconscious data retrieval, comprising:
4 computer-readable program code configured to cause a computer to ex-
5 tract at least one query key from a primary document;
6 computer-readable program code configured to cause a computer to
7 query at least one data source with the at least one query key;
8 computer-readable program code configured to cause a computer to re-
9 ceive at least one query result from at least one data source;
10 computer-readable program code configured to cause a computer to
11 evaluate the received at least one query result; and

12 computer-readable program code configured to cause a computer to
13 display at least one received query result ~~comprises computer-~~
14 ~~readable program code configured to cause a computer to dis-~~
15 ~~play the query result~~ in a calendar display;
16 wherein the computer-readable program code configured to cause a
17 computer to extract, query, receive, and evaluate operate with-
18 out user interaction.

1 125. (Amended) ~~The computer program product of claim 99, wherein the A~~
2 computer program product comprising a computer-usable medium having com-
3 puter-readable code embodied therein for unconscious data retrieval, comprising:
4 computer-readable program code configured to cause a computer to ex-
5 tract at least one query key from a primary document;
6 computer-readable program code configured to cause a computer to
7 query at least one data source with the at least one query key;
8 computer-readable program code configured to cause a computer to re-
9 ceive at least one query result from at least one data source;
10 computer-readable program code configured to cause a computer to
11 evaluate the received at least one query result; and
12 computer-readable program code configured to cause a computer to
13 display at least one received query result ~~comprises computer-~~
14 ~~readable program code configured to cause a computer to dis-~~
15 ~~play the query result~~ in a user-activated toolbar menu;

16 wherein the computer-readable program code configured to cause a
17 computer to extract, query, receive, and evaluate operate with-
18 out user interaction.

1 126. (Original) The computer program product of claim 99, wherein the com-
2 puter-readable program code configured to cause a computer to display at least one
3 received query result comprises:

4 computer-readable program code configured to cause a computer to
5 designate at least a portion of the primary document as a hyper-
6 link; and
7 computer-readable program code configured to cause a computer to,
8 responsive to user activation of the hyperlink, display a query
9 result.

1 127. (Original) The computer program product of claim 99, wherein the com-
2 puter-readable program code configured to cause a computer to display at least one
3 received query result comprises:

4 computer-readable program code configured to cause a computer to
5 display an on-screen button; and
6 computer-readable program code configured to cause a computer to,
7 responsive to user activation of the button, display a query re-
8 sult.

1 128. (Original) The computer program product of claim 99, wherein the com-
2 puter-readable program code configured to cause a computer to display at least one
3 received query result comprises:

4 computer-readable program code configured to cause a computer to
5 display a toolbar menu activation button; and
6 computer-readable program code configured to cause a computer to,
7 responsive to user activation of the button, display a query re-
8 sult.

1 129. (Original) The computer program product of claim 99, wherein the com-
2 puter-readable program code configured to cause a computer to display at least one
3 received query result comprises:

4 computer-readable program code configured to cause a computer to
5 display a menu comprising at least one command; and
6 computer-readable program code configured to cause a computer to,
7 responsive to user selection of one of the at least one command,
8 display a query result.

1 130. (Original) The computer program product of claim 99, wherein the com-
2 puter-readable program code configured to cause a computer to display at least one
3 received query result comprises:

4 computer-readable program code configured to cause a computer to
5 display a menu activation icon;

6 computer-readable program code configured to cause a computer to,
7 responsive to user activation of the menu activation icon, display
8 a menu comprising at least one command; and
9 computer-readable program code configured to cause a computer to,
10 responsive to user selection of one of the at least one command,
11 display a query result.

1 131. (Amended) ~~The computer program product of claim 99, wherein the~~
2 ~~computer-readable program code configured to cause a computer to display at least~~
3 ~~one received query result comprises~~ A computer program product comprising a
4 computer-usable medium having computer-readable code embodied therein for un-
5 conscious data retrieval, comprising:
6 computer-readable program code configured to cause a computer to ex-
7 tract at least one query key from a primary document;
8 computer-readable program code configured to cause a computer to
9 query at least one data source with the at least one query key;
10 computer-readable program code configured to cause a computer to re-
11 ceive at least one query result from at least one data source;
12 computer-readable program code configured to cause a computer to
13 evaluate the received at least one query result; and
14 computer-readable program code configured to cause a computer to
15 recognize user-entered text as having a format corresponding to
16 a predefined data type;

17 computer-readable program code configured to cause a computer to
18 display a menu comprising at least one command applicable to
19 the data type; and
20 computer-readable program code configured to cause a computer to,
21 responsive to user selection of one of the at least one command,
22 display a at least one query result;
23 wherein the computer-readable program code configured to cause a computer
24 to extract, query, receive, and evaluate operate without user interaction.